



357458



Division of Environmental Health

3010 Grand Avenue
Waukegan, Illinois 60085
312/689-6740

Steven A. Holsch, M.D., M.P.H.
Executive Director

December 6, 1984

Mr. Larry Winner
Illinois Environmental Protection Agency
Land Pollution: Superfund
2200 Churchill Road
Springfield, Illinois 62702

Dear Mr. Winner:

The following letter pertains to your request for information concerning the BFI Landfill at 14th Street in North Chicago and the Waukegan Municipal Landfill near Adelphi Avenue in Waukegan.

North Chicago/BFI Landfill

Located near North Chicago between 12th and 14th Streets, west of Green Bay and east of Birch Roads.

Plat location is in the N $\frac{1}{2}$ of Section 31, T 45N, R 12E, Waukegan Township.

Site size is approximately 23.6 acres.

-4.6 acres was owned by the City of North Chicago and operated by the National Disposal Service, Inc. which later became Browning-Ferris Industries of Illinois, Inc. (BFI).

-19.02 acres was owned and operated by BFI.

The site was operated from July 1971 through December 1975.

Type of waste accepted as listed on their permit application was household refuse and building debris.

During the operation of the landfill, most inspections found the site to be in general compliance of the regulations. Several inspections by the IEPA did find violations concerning blown litter and inadequate daily cover.

The site was closed in November 1976 but the final cover was not in place until 1 $\frac{1}{2}$ years later. During this time, erosion and leachate seeps developed.

The site was considered closed and covered by the IEPA during May 1976.

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IEPA-DLPC

Mr. Larry Winner
December 6, 1984
Page two

Erosion and leachate seeps reoccurred and have been a continuous problem. During the summer of 1984, however, BFI attempted to correct the seeps by applying clay and dirt over them.

The last inspection made by the Lake County Health Department (LCHD) was in October 1984 and no leachate seeps were found.

The site is not fenced on the north, west or south sides.

There are only two residential homes adjacent to the landfill and these are on the north side. They both have their own private wells.

The Lake County Forest Preserve District owns the property to the north and west of the site. This property is used by the public for recreation.

There are no recreational facilities on the landfill property.

Waukegan Municipal Landfill (#2)

Located in the City of Waukegan, the site is north of Sunset, east of Adelphi and west of Garrick Avenues.

Plat location is the NW¼ of Section 7, T 45N, R 12E, Waukegan Township.

Site size is approximately 19.5 acres.

The landfill was operated by T and K Disposal Company (contact person was Mr. Henry Tewes).

The landfill was and is currently owned by the City of Waukegan.

Site life was from September 1972 to July 1974.

Type of waste handled as listed on the permit application was residential and commercial refuse but no hazardous waste was to be accepted.

Landfilling procedure was the trench system. The trenches were to be 250 ft. long, 30 ft. deep and 40 ft. wide with 5 ft. of undisturbed material between them.

A leachate collection system was proposed during the planning stages but it was never installed.

Several inspections by the IEPA found violations of blowing litter, inadequate daily cover and leachate seeps along the south end.

The site was considered closed and covered during an IEPA inspection conducted March 29, 1976.

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IEPA-DLPC

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Inspections by the LCHD have found the site to have good cover and vegetative growth but leachate seeps exist near the southeast corner and the south end (last inspection 10/84). The City of Waukegan has been informed of the problem.


The landfill is fenced on the west and north ends, the south end is bordered by a drainage ditch, and the east side is adjacent to a wooded area.

There are homes near all four sides of the landfill and most of the homes have their own private wells.

There are no recreational facilities presently at the site but a baseball diamond located near the southwest corner of the landfill used to exist and was played on by the neighborhood children.

I hope this information is useful to you. If the LCHD can be of further assistance, please let me know.

Sincerely,



Michael Kuhn
Environmental Protection Specialist

MK/bk/3-2-4

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DEC 10 1984

IEPA-DLPC

Lake Co. - S.F.



Notification of Hazardous Waste Site

United States
Environmental Protection
Agency
Washington DC 20460

This initial notification information is required by Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

Please type or print in ink. If you need additional space, use separate sheets of paper. Indicate the letter of the item which applies.

810609

1-4427

ILS-000-001-392

A Person Required to Notify:

Enter the name and address of the person or organization required to notify.

Name Browning-Ferris Industries of Illinois, Inc.

Street 1827 Wabash Office Square, Suite 107

City Schaumburg

State ILL. Zip Code 60195

B Site Location:

Enter the common name (if known) and actual location of the site.

Name of Site

Street 14th Street

City North Chicago County Lake State ILL. Zip Code 60064

C Person to Contact:

Enter the name, title (if applicable), and business telephone number of the person to contact regarding information submitted on this form.

Name (Last, First and Title) Edema, George - Director of Marketing Dev.

Phone (312) 397-7760

D Dates of Waste Handling:

Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site.

From (Year) 1969 To (Year) 1974

E Waste Type: Choose the option you prefer to complete

Option 1: Select general waste types and source categories. If you do not know the general waste types or sources, you are encouraged to describe the site in Item I—Description of Site.

General Type of Waste:

Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.

- 1. ☐ Organics
- 2. ☐ Inorganics
- 3. ☐ Solvents
- 4. ☐ Pesticides
- 5. ☐ Heavy metals
- 6. ☐ Acids
- 7. ☐ Bases
- 8. ☐ PCBs

* 9. ☒ Mixed Municipal Waste

** 10. ☒ Unknown

* 1. ☐ Other (Specify)

* Sanitary sewage sludge with small quantities of unknown hazardous waste.

** Small quantities of unknown hazardous wastes mixed with industrial/commercial/municipal/household wastes.

Source of Waste:

Place an X in the appropriate boxes.

- 1. ☐ Mining
- 2. ☐ Construction
- 3. ☐ Textiles
- 4. ☐ Fertilizer
- 5. ☐ Paper/Printing
- 6. ☐ Leather Tanning
- 7. ☐ Iron/Steel Foundry
- 8. ☐ Chemical, General
- 9. ☐ Plating/Polishing
- 10. ☐ Military/Ammunition
- 11. ☐ Electrical Conductors
- 12. ☐ Transformers
- 13. ☐ Utility Companies
- 14. ☒ Sanitary/Refuse
- 15. ☐ Photofinish
- 16. ☐ Lab/Hospital
- 17. ☐ Unknown
- 18. ☐ Other (Specify)

Option 2: This option is available to persons familiar with the Resource Conservation and Recovery Act (RCRA) Section 300 regulations (40 CFR Part 261).

Specific Type of Waste:

EPA has assigned a four-digit number to each hazardous waste listed in the regulations under Section 3001 of RCRA. Enter the appropriate four-digit number in the boxes provided. A copy of the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the site located.

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JUN 15 1981

Notification of Hazardous Waste Site

Side Two

F Waste Quantity:	Facility Type	Total Facility Waste Amount
Place an X in the appropriate boxes to indicate the facility types found at the site.	1. <input type="checkbox"/> Piles	cubic feet <u>UNKNOWN</u>
In the "total facility waste amount" space give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons	2. <input type="checkbox"/> Land Treatment	gallons <u>"</u>
In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres.	3. <input checked="" type="checkbox"/> Landfill	Total Facility Area
	4. <input type="checkbox"/> Tanks	square feet
	5. <input type="checkbox"/> Impoundment	acres <u>11 ACRES</u> A
	6. <input type="checkbox"/> Underground Injection	
	7. <input type="checkbox"/> Drums, Above Ground	
	8. <input type="checkbox"/> Drums, Below Ground	
	9. <input type="checkbox"/> Other (Specify)	

G Known, Suspected or Likely Releases to the Environment:

Place an X in the appropriate boxes to indicate any known, suspected, or likely releases of wastes to the environment.

☐ Known ☒ ~~Suspected~~ ^{Unknown} ☐ Likely ☐ None

Note: Items H and I are optional. Completing these items will assist EPA and State and local governments in locating and assessing hazardous waste sites. Although completing the items is not required, you are encouraged to do so.

H Sketch Map of Site Location: (Optional)

Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.

I Description of Site: (Optional)

Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.

- *J "The information contained herein is based upon the personal knowledge or recollection of the individual compiling the information or upon records or other informational sources reasonably available to him (see item C). The information herein is accurate and complete to the best of the knowledge and belief of the submitter. The indication in Item E, numbers 9 and 10 does not constitute an admission that such wastes, if they exist, are in fact hazardous. The indication in Item G that a release is "known" or "likely" does not constitute an admission that such release is either continuing or, if it is, that it poses a threat to human health or the environment."

*J Signature and Title:

The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other".

Name Stephen L. Thomas, Vice-President

Street

City

State

Zip Code

Signature Stephen L. Thomas

Date 6/9/81

- ☒ Owner, Present
☐ Owner, Past
☒ Transporter
☐ Operator, Present
☒ Operator, Past
☐ Other



Browning-Ferris Industries

Browning-Ferris Industries of Illinois, Inc.
1827 Walden Office Square, Suite 107
Schaumburg, Illinois 60195

June 9, 1981

U.S. EPA Region 5
Site Notification
Chicago, Illinois 60604

Dear Gentlemen:

Pursuant to Section 103(c) of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), Browning-Ferris Industries of Illinois, Inc. (hereinafter, together with its predecessors, is referred to as the "Company") hereby submits notifications (EPA Form 8900-1) for facilities it owns(ed) or operates(ed) and which are located at the following addresses:

- | | |
|-------------------|-------------------------|
| 1) Mannheim Rd. | Hillside, Illinois |
| 2) People's Ave. | Rockford, Illinois |
| 3) Clark St. | Peoria, Illinois |
| 4) Mudhank Rd. | Barrington, Illinois |
| 5) Riverside Dr. | Loves Park, Illinois |
| 6) 14th Street | North Chicago, Illinois |
| 7) Cottonwood Rd. | Edwards, Illinois |

In addition, Company submits such notifications for the following facilities, which were never owned or operated by the Company, but which were selected by Company for the disposal of hazardous wastes.

- | | |
|---------------------|------------------------|
| 1) Rt. #1 | Ottawa, Illinois |
| 2) Appleton Road | Belvidere, Illinois |
| 3) AAA Disposal | Belvidere, Illinois |
| 4) Rt. #1 | Grays Lake, Illinois |
| 5) Paul De Groot | Ottawa, Illinois |
| 6) Willowbrook Rd. | North Brook, Illinois |
| 7) 31st St. | Westchester, Illinois |
| 8) W. Central Rd. | Des Plaines, Illinois |
| 9) Rt. #1 | Elwood, Illinois |
| 10) Calumet Expy | Calumet City, Illinois |
| 11) Rt. #25 | S. Elgin, Illinois |
| 12) U.S. Ecology | Sheffield, Illinois |
| 13) Farmingdale Rd. | E. Peoria, Illinois |

JUN 15 1981

- | | | |
|-----|-------------|------------------------|
| 14) | Rt. #8 | Peoria, Illinois |
| 15) | Fischer Rd. | Ottarioville, Illinois |
| 16) | Adelphi St. | Waukegan, Illinois |
| 17) | Rt. #17 | Culver, Illinois |
| 18) | Schick Rd. | Bloomington, Illinois |

Please be advised that while EPA Form 8900-1 is being utilized by the Company for purposes of complying with the Section 103(c) notification requirement, some revisions to the form have been made which we believe more appropriately reflect the type of information being submitted. Also, please be advised that some of the facilities listed above are [were] operated as sanitary landfills which generally receive(d) commercial, industrial wastes, as well as household wastes. Company procedures are designed to preclude the receipt of identifiable hazardous wastes at those sanitary landfills it owns or operates. Similarly, the Company has instituted procedures designed to preclude the transportation of such wastes to third party (i.e., third party or municipally owned/operated) sanitary landfills.

However, several factors have made, and continue to make, it impossible to know for certain whether any wastes, now deemed by regulation to be hazardous, have ever been unknowingly received at any of the sanitary landfills owned or operated by the Company. Nor is it possible to know for certain whether the Company has unknowingly transported such wastes to any of these facilities.

- o Several of the Company facilities listed above were acquired from individuals or companies who may not have instituted the same operating procedures as the Company.
- o Prior to November 19, 1980, few states or local governments required generators of hazardous wastes to determine if their wastes were hazardous. Nor were they required to inform off-site commercial transporters or landfill owners/operators such as the Company of the type or quantity of such wastes received for off-site disposal.
- o After November 19, 1980, only large generators of hazardous wastes were required to notify off-site commercial transporters and landfill owners/operators of the type and quantity of hazardous wastes received for off-site disposal.
- o Both before and after November 19, 1980, federal and state law have permitted the disposal of small quantities of hazardous wastes at sanitary landfills.

Therefore, the Company has submitted notification forms for sanitary landfills it owns(ed) or operates(ed) only if the Company has any actual knowledge or a reasonable basis to believe that some of the wastes received at the facility contained substances now classified as hazardous. Similarly, the Company has reported third party owned/operated sanitary landfills which the Company selected and to which it transported commercial, industrial or residential wastes, only if the Company has actual knowledge or a reasonable

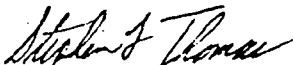
JUN 15 1981

basis to believe that some of such wastes contained substances which would now be classified as hazardous.

In accordance with the public notice of the availability of Form 8900-1, 46 Fed. Reg. 22144 (April 15, 1981), the Company has not included facilities for which there has been previously filed a notification of hazardous waste activities and/or a "Part A" permit application as required by Sections 3005 and 3010 of the Resource Conservation and Recovery Act (RCRA).

Should you have any questions, please do not hesitate to contact the undersigned or Jim Scheline at (713) 870-8100.

Sincerely,


Stephen L. Thomas
Vice President

SLT/mbe

JUN 15 1981

ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS
DIVISION OF LAND/NOISE POLLUTION CONTROL ANALYSIS FORM

PIN
7/11/77

LPCSM030

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(I) Illegal	(O) Other
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pool	(2) Waste
(3) Downstream	(3) Spring	(3) Collection	(3) Other
(4) Run-off	(4) Lysimeter	(4) System	
(5) Impounded			

RECEIVED
JUL 18 1977
E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Name Private Well, Stream, Spring, Impounded Water only

1 P C S M O 1 O SITE INVENTORY 09712503
(1) (8) NUMBER (9) (16)

MONITOR POINT G101 DATE 070677
NUMBER (17) (20) COLLECTED (21) (26)

LAKE Co. - LPC REGION N 7/77
(27)

NORTH CHICAGO B.F.I.
(Location) (Responsible Party)

Legal (1); Illegal (2); Indicate One: 1 Board Order (X) (29)
(28)

Time Collected 12:47 a.m. p.m. Unable to collect sample (X) (30)

Stick-up 01.5 ft. Depth to water 15.2 ft.
(31) (33) (from I.O.C.) (34) (36)

Sample temp. 22 °C Background (X) (40)
(37) (39)

Ground water sampled by (Indicate one): (1) Bailing; 1
(2) Pumping; (3) Other (Specify) (41)

Sample Appearance: Sample appeared slightly turbid.
no yellow in color; no odor was apparent.

Collector comments: none

Mary Ellen Wagnucki Chemist/Soil Testing Serv. Inc.
Collected by Div. or Company
Mary Ellen Wagnucki Chemist/Soil Testing Serv. Inc.
Transported by Div. or Company

LAB USE ONLY

Lab No. _____

Date Rec'd 7/6/77

Rec'd by MEC Time 3:00 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed 11 July 77

Date forwarded 13 July 77

Robert J. Maedinger Jr.
Supervisor Signature

Name Soil Testing Services, Inc.

Address 114 Pfingsten Rd.

of Lab Northbrook, Ill.

LPCSM020
Lab Comments:
COD - ODI - ME
(27) (36)
THOD - USED
(37) (46)
IRON AND R
(47) (56)
DE - ONE - HE
(57) (66)
SETTLE
(67) (76)

Private Lab (X) X (77)

EPA Lab (X) (78)

*Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

PARAMETERS +	PPM*
27 Alkalinity ¹	
31 Ammonia as N	
37 Arsenic As	
44 Barium Ba	
49 BOD -5	
53 Boron B	
58 Cadmium Cd	
64 Calcium Ca	
69 <input checked="" type="checkbox"/> COD	<u>2204</u>
73 <input checked="" type="checkbox"/> Chloride Cl	<u>6008</u>

PARAMETERS +	PPM*
27 Chromium Cr (total)	
33 Chromium Cr ⁶⁺	
39 Copper Cu	
45 Cyanide ² CN	
52 Fecal Coli (1/100 ml)	
56 Fluoride F	
61 Hardness CaCO ₃	
65 <input checked="" type="checkbox"/> Iron Fe	<u>0003.4</u>
70 Lead Pb	

PARAMETERS +	PPM*
27 Magnesium Mg	
32 Manganese Mn	
38 Mercury Hg	
46 Nickel Ni	
51 Nitrate-nitrite N	
56 Oil and Grease	
60 pH (Units)	
63 Phenolics	
70 Phosphorus P	
76 Potassium K	

PARAMETERS +	PPM*
27 <input checked="" type="checkbox"/> R.O.E. (180°C)	<u>0515</u>
31 Selenium Se	
36 Silver Ag	
44 Sodium Na	
49 <input checked="" type="checkbox"/> SO ₄ (umhos/cm)	<u>0695</u>
53 Sulfate SO ₄	
58 Zinc Zn	
63	

¹Alkalinity is to be determined as ppm CaCO₃ at pH 4.5.
²Cyanide is to be reported as free cyanide.

ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS
DIVISION OF LAND/NOISE POLLUTION CONTROL ANALYSIS FORM

PN

LPCSM030

RECEIVED
JUL 18 1977
EPA - D.L.P.C.
STATE OF ILLINOIS

Key for Determining Type of Monitoring Location
(S) Surface Water (G) Ground Water (L) Leachate (X) Special
(1) Upstream (1) Monitor Well (1) Flow or (1) Soil
(2) Mid-site (2) Private well (2) Pond (2) Waste
(3) Downstream (3) Spring (3) Collection (3) Other
(4) Run-off (4) Lysimeter
(5) Impounded

Name (Private Well, Stream, Spring, Impounded Water only)

MONITOR POINT G102 DATE 07/06/77
NUMBER (17) (26) COLLECTED (21) (26)

LAKE Co. - LPS REGION N 7/77

NORTH CHICAGO / B.F.I.
(Location) (Responsible Party)

Legal (1); Illegal (2); Indicate One: 1 Board Order (X)
(23) (29)

Time Collected 1:10 a.m. Unable to collect sample (X)
(30)

Stick-up 1.5 ft. Depth to water 5.4 ft.
(31) (33) (from T.O.C.) (34) (36)

Sample temp. 21°C Background (X).
(37) (39) (40)

Ground water sampled by (Indicate one): (1) Bailing; (1)
(2) Pumping; (3) Other (Specify) (41)

Sample Appearance: Sample appeared slightly turbid;
lake orange in color; no odor was apparent.

Collector Comments: Large trees next to W.P. were
removed since last sampling.

Mary Ellen Wagnicki Chemist/Soil Testing Serv., Inc.
Collected by Div. or Company
Mary Ellen Wagnicki Chemist/Soil Testing Serv., Inc.
Transported by Div. or Company

LAB USE ONLY

Lab No. _____

Date Rec'd 7/6/77

Rec'd by MCB Time 3:00 a.m.
(37) (46)

Sample temp. acceptable YES NO
Sample properly preserved YES NO
Date completed 11 July 77
Date forwarded 13 July 77

Robert J. Maedinger J
Supervisor Signature

Name Soil Testing Services, Inc.
Address 111 Princeton Rd.
of Lab Northbrook, Ill.

LPCSM020
Lab Comments:
COD - ODI - ME
(27) (36)
THOD - USED
(37) (46)
IFDN - AND - R
(47) (56)
DE - ONE - HR
(57) (66)
SETTLE - - -
(67) (76)
Private Lab (X) X
(77)
IMPA Lab (X) (78)

PARAMETERS +	PPM*
27 Alkalinity ¹	
31 Ammonia as N	
37 Arsenic As	
44 Barium Ba	
49 BOD -5	
53 Boron B	
58 Cadmium Cd	
64 Calcium Ca	
69 X COD	0034
73 X Chloride Cl	0068

27 Chromium Cr (tot)	
33 Chromium Cr ⁶⁺	
39 Copper Cu	
45 Cyanide ² CN	
52 Fecal Coli	
56 Fluoride F	
61 Hardness CaCO ₃	
65 X Iron Fe	0006.6
70 Lead Pb	

27 Magnesium Mg	
32 Manganese Mn	
38 Mercury Hg	
46 Nickel Ni	
51 Nitrate-nitrite N	
56 Oil and Grease	
60 pH (Units)	
63 Phenolics	
70 Phosphorus P	
75 Potassium K	

27 X R.I.E. (19000)	1172
31 Selenium Se	
38 Silver Ag	
44 Sodium Na	
49 X SC (unhos/cm)	1355
53 Sulfate SO ₄	
58 Zinc Zn	
63	

*Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

¹Alkalinity is to be determined as ppm CaCO₃ at pH 4.5.
²Sulfur is to be reported as free cyanide.

ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS
DIVISION OF LAND/NOISE POLLUTION CONTROL ANALYSIS FORM

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(I) In situ	(O) Other
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pollution waste	
(3) Downstream	(3) Spring	(3) Collection (3) Other	
(4) Run-off	(4) Lysimeter	System	
(5) Impounded			

RECEIVED
JUL 18 1977
E.P.A.-D.E.P.C.
STATE OF ILLINOIS

Name (Private Well, Stream, Spring, Impounded Water only)

MONITOR POINT G103 DATE 6-5-77
NUMBER (17) (26) COLLECTED (21) (26)

LAKE Co. - LPC REGION N 7/77
(27)

NORTH CHICAGO / B.F.I.
(Location) (Responsible Party)

Legal (1); Illegal (2); Indicate One: 1 Board Order (X)
(28) (29)

Time Collected 1:45 a.m. Unable to collect sample (X)
p.m. (30)

Stick-up 3.1 ft. Depth to water 15.9 ft.
(31) (33) (from I.O.C.) (34) (36)

Sample temp. 18 °C Background (X).
(37) (39) (45)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) 1
(41)

Sample Appearance: Sample was clear, colorless;
no odor was apparent.

Collector comments: none

Collected by Mary Ellen Wozniak Chemist/Soil Testing Serv., Inc.
Div. or Company
Transported by Mary Ellen Wozniak Chemist/Soil Testing Serv., Inc.
Div. or Company

LAB USE ONLY

Lab No. _____

Date Rec'd 7/6/77

Rec'd by MRW Time 3:00 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed 11 July 77

Date forwarded 13 July 77

Robert G. Schneider
Supervisor Signature

Name Soil Testing Services, Inc.

Address 111 Plingston Rd.

of Lab Northbrook, Ill.

LPCSMO20
Lab Comments:
COD - ODI - ME
(27) (36)
IRON - AND - F
(47) (56)
SE - ONE - HR
(57) (66)
SETTLE
(67) (76)

Private Lab (X) X
(77)

IEPA Lab (X) _____
(78)

*Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

LPCSMO30

PARAMETERS +	PPM*
27 Alkalinity ¹	
31 Ammonia as N	
37 Arsenic As	
44 Barium Ba	
49 BOD -5	
53 Boron B	
58 Cadmium Cd	
64 Calcium Ca	
69 X COD	0016
73 X Chloride Cl	0003

LPCSMO40

27 Chromium Cr (tot)	
33 Chromium Cr ⁶⁺	
39 Copper Cu	
45 Cyanide ² CN	
52 Fecal Coli (#/100 ml)	
56 Fluoride F	
61 Hardness CaCO ₃	
65 X Iron Fe	0001.3
70 Lead Pb	

LPCSMO50

27 Magnesium Mg	
32 Manganese Mn	
38 Mercury Hg	
46 Nickel Ni	
51 Nitrate-nitrite N	
56 Oil and Grease	
60 pH (Units)	
63 Phenolics	
70 Phosphorus P	
75 Potassium K	

LPCSMO60

27 X P.O.E. (180°C)	0408
31 Selenium Se	
38 Silver Ag	
44 Sodium Na	
49 SC (umhos/cm)	0610
53 Sulfate SO ₄	
58 Zinc Zn	
63	

¹Alkalinity is to be determined as ppm CaCO₃ at pH 4.5.

²Cyanide is to be reported as free cyanide.

ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS
DIVISION OF LAND/NOISE POLLUTION CONTROL ANALYSIS FORM

Key for Determining Type of Monitoring Point

(S) Surface Water (G) Ground Water (I) Illegal (X) Other
(1) Upstream (1) Monitor Well (1) Flow or seep (1) Waste
(2) Mid-site (2) Private well (2) Pond (2) Other
(3) Downstream (3) Spring (3) Collection System
(4) Run-off (4) Lysimeter
(5) Impounded

RECEIVED
E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Name (Private Well, Stream, Spring, Impounded Water only)

1 P C S M O 1 O SITE INVENTORY 09712503
(1) (3) NUMBER (9) (16)

MONITOR POINT C 104 DATE 0726-77
NUMBER (17) (20) COLLECTED (21) (26)

LAKE Co. - LPO REGION N 7/77
(27)

NORTH CHICAGO B.F.I.
(Location) (Responsible Party)

Legal (1); Illegal (2); Indicate One: 1 Board Order (X)
(28) (29)

Time Collected 2:00 a.m. Unable to collect sample (X)
p.m. (30)

Stick-up 1.1 ft. Depth to water 5.8 ft.
(31) (33) (from T.O.C.) (34) (36)

Sample temp. 21° C Background (X). . . .
(37) (39) (40)

Ground water sampled by (Indicate one): (1) Bailing; 1
(2) Pumping; (3) Other (Specify) (41)

Sample Appearance: Sample appeared clear, colorless;
No odor was apparent.

Collector comments: none.

Monitored by Chemist/Soil Testing Serv. Inc.
Div. or Company
Monitored by Chemist/Soil Testing Serv. Inc.
Div. or Company

LAB USE ONLY

Lab No.

Date Rec'd 7/6/77

Rec'd by MPA Time 3:00 a.m.
p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed 11 July 77

Date forwarded 13 July 77

Roder J. Maedgen
Supervisor Signature

Name Soil Testing Services Inc.

Address 111 Princeton Rd.

of Lab Northbrook, Ill.

LPCSMO20

Lab Comments:

COD - ODI - ME
(27) (36)

THOD - USED
(37) (46)

IRON AND R
(47) (56)

DE - ONE - HR
(57) (66)

SETTLE -
(67) (76)

Private Lab (X) X

EPA Lab (X) (77)

LPCSMO30

PARAMETERS ⁺	PPM*
27 Alkalinity ¹	
31 Ammonia as N	
37 Arsenic As	
44 Barium Ba	
49 BOD -5	
53 Boron B	
58 Cadmium Cd	
64 Calcium Ca	
69 X COD 0006	
73 X Chloride Cl 0003	

LPCSMO40

27 Chromium Cr (tot)	
33 Chromium Cr ⁶⁺	
39 Copper Cu	
45 Cyanide ² CN	
52 Fecal Coli (#/100 ml)	
56 Fluoride F	
61 Hardness CaCO ₃	
65 X Iron Fe 0000.6	
70 Lead Pb	

LPCSMO50

27 Magnesium Mg	
32 Manganese Mn	
38 Mercury Hg	
46 Nickel Ni	
51 Nitrate-nitrite N	
56 Oil and Grease	
60 pH (Units)	
63 Phenolics	
70 Phosphorus P	
76 Potassium K	

LPCSMO60

27 X R.O.E. (180°C) 0428	
31 Selenium Se	
38 Silver Ag	
44 Sodium Na	
49 X SO (umhos/cm) 0740	
53 Sulfate SO ₄	
58 Zinc Zn	
63	

*Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

¹Alkalinity is to be determined as ppm CaCO₃ at pH 4.5.

²Cyanide is to be reported as free cyanide.

Chgo Lab.

Time Collected: 3:30 pm

Lab # C00459 JUL2784

Date Collected: 7/26/84

SPECIAL ANALYSIS FORM

Date Received _____

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

L 101

COUNTY:

LAKE

FILE HEADING:

NCH40/B.F.I.

FILE NUMBER:

09712503

SOURCE OF SAMPLE: (Exact Location)

South side of B.F.I. landfill on North Chicago;
leachate reef

PHYSICAL OBSERVATIONS, REMARKS: LIGHT RAIN DURING SAMPLING;
SAMPLE TAKEN AT THE SURFACE; CONSIDERABLE
BUBBLING; LEACHATE & SOIL; STRONG LEACHATE
ODOR

TESTS REQUESTED:

EP TOXICITY

COLLECTED BY:

James W. Smith

TRANSPORTED BY:

J. Taylor

LABORATORY

RECEIVED BY: K. Patel

7-27-84
1:40 PM

DATE
COMPLETED:

DATE
FORWARDED: SEP -7. 1984

As

<0.01

Ba

0.7

Ca

<0.01

Cr

<0.01

Pb

<0.03

Hg

0.038

Se

0.072

RESULTS EXPRESSED IN
MG/LITER UNLESS
OTHERWISE SPECIFIED.

RECEIVED

SEP 10 1984

IEPA-DLPC

S

Initial pH - 7.0

Final pH - 4.9

Chgo lab.

Time Collected: 3:40 pm

Lab # CU0460 JUL27 84

Date Collected: 7/26/84

SPECIAL ANALYSIS FORM

Date Received _____

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

L102

COUNTY:

LAKE

FILE HEADING:

N. CHGO/B.F.I

FILE NUMBER:

09712503

SOURCE OF SAMPLE: (Exact Location)

South side of B.F.I. landfill on north Chicago
Leachate run

PHYSICAL OBSERVATIONS, REMARKS: Leachate 5' Soil Sampled;
light rain during sampling; sample taken at
the surface; considerable bubbling; strong
leachate odor

TESTS REQUESTED:

EP TOXICITY

COLLECTED BY: James W. Smith

TRANSPORTED BY: J. Taylor

LABORATORY

RECEIVED BY: K. Patel 7-27-84
1:46 PM

DATE
COMPLETED:

DATE
FORWARDED: SEP. -7. 1984

Cd <0.01

Ba 0.5

Cd <0.01

Cu <0.01

Pb <0.03

Hg 0.014

Se <0.01

RESULTS EXPRESSED IN
MG/LITER UNLESS
OTHERWISE SPECIFIED.

RECEIVED

SEP 10 1984

IEPA-DLPC

Initial pH - 6.7

Final pH - 4.8